

#2 OIPE

RAW SEQUENCE LISTING

DATE: 09/18/2001

PATENT APPLICATION: US/09/938,641

TIME: 11:13:51

Input Set : A:\211226US0X.txt

Output Set: N:\CRF3\0,9182001\1938641.raw

	3	<110>	APPLICANT: MARX, ACHIM	FA	ITER
	4		FARWICK, MIKE	- U Y	
	5		HERMANN, THOMAS		
	6		SCHISCHKA, NATALIE		
	7		BATHE, BRIGITTE		
			TITLE OF INVENTION: NUCLEOTIDE SEQUENCES WHICH CODE FOR	. THE c	oxyR GENE
			FILE REFERENCE: 211226USOX		
			CURRENT APPLICATION NUMBER: US/09/938,641		
C>			CURRENT FILING DATE: 2001-08-27		
			PRIOR APPLICATION NUMBER: DE 10042052.4		
			PRIOR FILING DATE: 2000-08-26		
			PRIOR APPLICATION NUMBER: DE 10110053.1		
			PRIOR FILING DATE: 2001-03-02		
			PRIOR APPLICATION NUMBER: US 60/279,415 PRIOR FILING DATE: 2001-03-29		
			NUMBER OF SEQ ID NOS: 4		
			SOFTWARE: PatentIn version 3.1		
			SEQ ID NO: 1		•
			LENGTH: 1675		
			TYPE: DNA		
•			ORGANISM: Corynebacterium glutamicum		
			FEATURE:		
			NAME/KEY: CDS		
			LOCATION: (491)(1471)		
			OTHER INFORMATION:		
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	44	gcagct	togtg gaccagagtt ottcaaggta gagcacacgg gaagaatgtg ggaggt	gcgt	240
	46	caggt	ggtga aggatccaga aggtgataat teettegegt ttgttgeeac cattga	tctt	300
			ctctg atgatgcagg tgaggtgcgt tttggatcgc tgtcgattga ccacaa	_	360
			tgcgt cgaaaagcaa gcacgcctgg tgcctgattt gagcggtttt acctat		420
			gcgcc gtcaaactgt cccagcgatt tcattattat tttcgtgcat tcaccg		480
		agttat	tagge atg age aat aaa gag tae egg eee aca ete gee eag et		529
	55		Met Ser Asn Lys Glu Tyr Arg Pro Thr Leu Ala Gln Le	u	
	56		1 5 10		
		-	ce ttt gte ace ate gea gaa tge aag cae ttt ggt act get g		577
			hr Phe Val Thr Ile Ala Glu Cys Lys His Phe Gly Thr Ala A	ıa	
	60				625
			ag ctg tcc att tcg cag cca tcc ctc tcc cag gca ctt gtc g		625
	64	-	ys Leu Ser Ile Ser Gln Pro Ser Leu Ser Gln Ala Leu Val A 35 40 40		
			40 40 aa aca ggc ctg gga gtt cag ctg att gaa cgc tcc acc cgc a		673
			lu Thr Gly Leu Gly Val Gln Leu Ile Glu Arg Ser Thr Arg L		0/3
	68	LCU G1	50 55 60	y S	
		atc at	tt gtc acc cca gcg ggc gag aag ttg ctg cca ttc gcc aaa to	cc ·	721
	, ,	Just at	to get use out yet yet yay any try org out the yet and the		/ 4 1

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Output Set: N:\CRF3\09182001\1938641.raw

71 72	Val	Ile	Val	Thr 65	Pro	Ala	Gly	Glu	Lys 70	Leu	Leu	Pro	Phe	Ala 75	Lys	Ser	
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76			80					85					90	_			
78	ggt	tcg	ctc	act	gga	ccg	ttg	acc	gta	ggc	atc	atc	ccc	acg	gcg	gct	817
79	Gly	Ser	Leu	Thr	Gly	Pro	Leu	Thr	Val	Gly	Ile	Ile	${\tt Pro}$	Thr	Ala	Ala	
80		95					100					105					
															tat		865
		Tyr	Ile	Leu	Pro		Met	Leu	Ser	Ile		Asp	Glu	Glu	Tyr		
	110					115					120					125	
															ctc		913
	Asp	Leu	GIu	Pro		He	Val	Glu	Asp		Thr	Lys	His	Leu	Leu	Ala	
88		_4_			130					135	_ 4				140		0.61
	_	_	_	-		-		-	_	-	_	_	_	_	cct		961
	Leu	Leu	Arg	_	СТА	Ата	ше	Asp		Ата	met	met	Ald		Pro	ser	
92	~~~	~~~		145	a+~	224	~~~	a+ a	150	a+ a	+	~~~	~~~	155	+++	240	1009
		-			_	_	-					-	-	-	ttt Phe		1009
96	GIU	ніа	160	СТУ	Met	пуъ	GIU	165	PIU	neu	TAT	АЗР	170	АЗР	FILE	116	
	atc	att		act	age	αat	cac		ttc	acc	aac	cac		gac	tta	gaa	1057
																Glu -	1037
100		175			DCI		180		1 110			185			LCu	o Lu	
				: tta	σaa	gac			cto	cto	ctt			gad	e qqa	cac	1105
			-		-	_		_	_	-			-			His	
	190					195					200				1	205	
106	tgc	cto	cac	gac	caa	att	qtq	gac	ctq	tgo	cgc	cgc	gga	a gad	ato	aac	1153
	_			_				_	_	_	_	_		_		Asn	
108					210)				215	5				220)	
110	ccc	att	ago	tco	act	act	gct	gto	acc	cgc	gca	tcc	ago	ctt	acc	acc	1201
111	Pro	Ile	Ser	Ser	Thr	Thr	Ala	Val	Thr	Arg	, Ala	Ser	Sei	: Lei	ı Thr	Thr	
112				225					230					235			
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	Val	Met			. Val	. Val	Ala	_		Gly	Ser	Thr			L Pro	Ile	
116			240					245					250				
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	Ser			Pro	Trp	GIU		Thr	Arg	Pro	GLY			i Tni	: Ala	Asn	
120	++~	255			~+ ~		260				++	265		- ~+-	. +	- -	1245
															l Tyr	cgt	1345
	270		ser	АБР	val	275		ASII	HIY	AIG	280		пес	ı val	гтут	285	
			tat	tot	cac			a a a	tta	таа			aca	cto	att	. ttg	1393
					_	-	_			_	-		_			Leu	1373
128		501	501	001	290		014	OLu		295					300		
		cac	act	tto			gee	ate	gea			gee	tca	act		atc	1441
	-	_	_			_	_	-			_	-				Ile	
132		د –		305					310					315	_		
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136			320					325									
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			_		-		_			_	-			_		aatatt	1611
142	tcc	acca	ctg a	atct	ggcg	gt a	aata	tgaad	c gg	taga	cagc	atca	atta	ctg	gcag	cacgat	1671
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174	Ala	Ala	Glu	Ser	Phe	Leu	Ser	His	Ala	Lys	Gly	Ala	Asn	Gly	Ser	Leu	
175					85					90					95		
178	Thr	Gly	Pro	Leu	Thr	Val	Gly	Ile	Ile	Pro	Thr	Ala	Ala	Pro	Tyr	Ile	
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183			115					120					125				
186	Pro	His	Ile	Val	Glu	Asp	Gln	Thr	Lys	His	Leu	Leu	Ala	Leu	Leu	Arg	
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191	145					150					155					160	
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203			195					200					205				
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207		210					215					220					
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214	Leu	Val	Val	Ala	Gly	Leu	Gly	Ser	Thr	Leu	Val	${\tt Pro}$	Ile	Ser	Ala	Ile	
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219				260					265					270			
222	Asp	Val	Thr	Ala	Asn	Arg	Arg	Ile	Gly	Leu	Val	Tyr	Arg	Ser	Ser	Ser	
223			275					280					285				
226	Ser	Arg	Ala	Glu	Glu	Phe	Glu	Gln	Phe	Ala	Leu	Ile	Leu	Gln	Arg	Ala	
227		290					295					300					
230	Phe	Gln	Glu	Ala	Val	Ala	Leu	Ala	Ala	Ser	Thr	Gly	Ile	Thr	Leu	Lys	

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/938,641

DATE: 09/18/2001 TIME: 11:13:52

Input Set : A:\211226US0X.txt

Output Set: N:\CRF3\09182001\I938641.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date